



# AUTORAMP

Remote Atmospheric Measurement Program



## *Autoramp*

A fully automated and completely unattended gamma-ray analysis system which collects large volume aerosol samples on discrete pleated cartridge filters, measures these samples in a near ideal geometry with a refrigerator cooled Germanium detector, and immediately transmits the resulting spectra to "Headquarters" using either a modem and telephone line, satellite link or E-mail.

- Unique sample cartridge can be made with any filter medium
- Individual filters allow isolating and recounting of any sample, standard or background
- Proven "mechanical arm" technology-used extensively in industry
- Completely maintenance free
- Tray of 31 filters, a standard and a background, requires only 5 minutes for a monthly or quarterly reloading
- Two way communication allows instant data reporting and complete system control by HQ
- Small footprint - 3ft x 6ft
- Modular design, assembled with commercially available components
- 2,500 to 12,000 m<sup>3</sup> of air sampled per day



- System "State of Health" can be assessed by meters and indicators on-site and by remote communications
- System controlled by a single computer using a MSDOS/Visual Basic platform
- 2.5 to 4.0 kW power, 840 lb system weight